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1 Detection of video sequences using compact signatures

Justin Zobel, Timothy C. Hoad
January 2006   ACM Transactions on Information Systems (TOIS),   Volume 24 Issue 1

Publisher: ACM

Full text available: 📄 pdf(725.90 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 60, Downloads (12 Months): 260, Citation Count: 0

Digital representations are widely used for audiovisual content, enabling the creation of large online repositories of video, allowing access such as video on demand. However, the ease of copying and distribution of digital video makes piracy a growing ...

Keywords: Video similarity detection, dynamic programming, local alignment

2 XML stream processing using tree-edit distance embeddings

Minos Garofalakis, Amit Kumar

March   ACM Transactions on Database Systems (TODS),   Volume 30 Issue 1

2005

Publisher: ACM

Full text available: 🗎 pdf(726.56 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 23,   Downloads (12 Months): 209,   Citation Count: 3

We propose the first known solution to the problem of correlating, in small space, continuous streams of XML data through approximate (structure and content) matching, as defined by a general tree-edit distance metric. The key element of our solution ...

Keywords: XML, approximate query processing, data streams, data synopses, metric-space embeddings, tree-edit distance

3 Communications of the ACM: Volume 51 Issue 3

March   issue   Volume 51 Issue 3

2008

Publisher: ACM

Full text available: 🗎 pdf(7.56 MB) 🗎 digital edition   Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 98,   Downloads (12 Months): 483,   Citation Count: 0

4 Simplify: a theorem prover for program checking

David Detlefs, Greg Nelson, James B. Saxe

May   Journal of the ACM (JACM),   Volume 52 Issue 3

2005

Publisher: ACM

Full text available: 🗎 pdf(1.93 MB)   Additional Information: full citation, appendices and supplements, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 63,   Downloads (12 Months): 410,   Citation Count: 10

This article provides a detailed description of the automatic theorem prover Simplify, which is the proof engine of the Extended Static Checkers ESC/Java and ESC/Modula-3. Simplify uses the Nelson--Oppen method to combine decision procedures for several ...

Keywords: Theorem proving, decision procedures, program checking

5 The development of the Emerald programming language

Andrew P. Black, Norman C. Hutchinson, Eric Jul, Henry M. Levy
June   HOPL III: Proceedings of the third ACM SIGPLAN conference on History of
2007   programming languages
Publisher: ACM

Full text available: pdf(1.45 MB)   Additional Information: full citation, appendices and supplements, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 27, Downloads (12 Months): 264, Citation Count: 0

Emerald is an object-based programming language and system designed and implemented in the Department of Computer Science at the University of Washington in the early and mid-1980s. The goal of Emerald was to simplify the construction of distributed ...

Keywords: Eden, Emerald, Washington, abstract types, call-by-move, distributed programming, mobility, object mobility, object-oriented programming, polymorphism, remote object invocation, remote procedure call, type conformity

6 Communications of the ACM: Volume 51 Issue 5

May   issue   Volume 51 Issue 5
2008
Publisher: ACM

Full text available: pdf(7.28 MB) digital edition   Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 355, Downloads (12 Months): 355, Citation Count: 0

7 Report of the national workshop on internet voting: issues and research agenda

C. D. Mote, Jr.
May   dg.o '00: Proceedings of the 2000 annual national conference on Digital
2000   government research
Publisher: Digital Government Research Center

Full text available: pdf(539.99 KB)   Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 140, Citation Count: 0

As use of the Internet in commerce, education and personal communication has become common, the question of Internet voting in local and national elections naturally arises. In addition to adding convenience and precision, some believe that Internet ...

8 Report of the national workshop on internet voting: issues and research agenda

C. D. Mote, Jr.
May 2002   dg.o '02: Proceedings of the 2002 annual national conference on Digital government research
Publisher: Digital Government Research Center

Full text available: pdf(539.99 KB)   Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 166,   Citation Count: 0

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9 Archiving scientific data

Peter Buneman, Sanjeev Khanna, Keishi Tajima, Wang-Chiew Tan
March 2004   ACM Transactions on Database Systems (TODS),   Volume 29 Issue 1
Publisher: ACM

Full text available: pdf(745.61 KB)   Additional Information: full citation, appendices and supplements, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 28,   Downloads (12 Months): 200,   Citation Count: 7

Archiving is important for scientific data, where it is necessary to record all past versions of a database in order to verify findings based upon a specific version. Much scientific data is held in a hierachical format and has a key structure that provides ...

Keywords: Keys for XML

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10 The US/Mexico border crossing card (BCC): a case study in biometric, machine-readable id

Andrew Schulman
April 2002   CFP '02: Proceedings of the 12th annual conference on Computers, freedom and privacy
Publisher: ACM

Full text available: htm(187.31 KB)   Additional Information: full citation, index terms

Bibliometrics: Downloads (6 Weeks): 29,   Downloads (12 Months): 231,   Citation Count: 0

11 Behavior-based modeling and its application to Email analysis

Salvatore J. Stolfo, Shlomo Hershkop, Chia-Wei Hu, Wei-Jen Li, Olivier Nimeskern, Ke Wang
May 2006   ACM Transactions on Internet Technology (TOIT),   Volume 6 Issue 2

Publisher: ACM

Full text available: pdf(1.25 MB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 64,   Downloads (12 Months): 436,   Citation Count: 1

The Email Mining Toolkit (EMT) is a data mining system that computes *behavior profiles or models* of user email accounts. These models may be used for a multitude of tasks including forensic analyses and detection tasks of value to law enforcement ...

Keywords: Email virus propagations, anomaly detection, behavior profiling

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12 Understanding the network-level behavior of spammers

Anirudh Ramachandran, Nick Feamster
September 2006   SIGCOMM '06: Proceedings of the 2006 conference on Applications, technologies, architectures, and protocols for computer communications

Publisher: ACM

Full text available: pdf(410.60 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 81,   Downloads (12 Months): 464,   Citation Count: 14

This paper studies the *network-level* behavior of spammers, including: IP address ranges that send the most spam, common spamming modes (e.g., BGP route hijacking, bots), how persistent across time each spamming host is, and characteristics of ...

Keywords: BGP, botnet, network management, security, spam

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13 Understanding the network-level behavior of spammers

Anirudh Ramachandran, Nick Feamster
August 2006   ACM SIGCOMM Computer Communication Review,   Volume 36 Issue 4

Publisher: ACM

Full text available: pdf(410.60 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 81,   Downloads (12 Months): 464,   Citation Count: 14

This paper studies the *network-level* behavior of spammers, including: IP address ranges that send the most spam, common spamming modes (e.g., BGP route hijacking, bots), how persistent across time each spamming host is, and characteristics of ...

Keywords: BGP, botnet, network management, security, spam

14   Content-triggered trust negotiation

Adam Hess, Jason Holt, Jared Jacobson, Kent E. Seamons
August   ACM Transactions on Information and System Security (TISSEC),
2004   Volume 7 Issue 3
Publisher: ACM

Full text available: 📄 pdf(815.36 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 50, Downloads (12 Months): 156, Citation Count: 1

The focus of access control in client/server environments is on protecting sensitive server resources by determining whether or not a client is authorized to access those resources. The set of resources is usually static, and an access control policy ...

Keywords: Trust negotiation, access control, authentication, credentials

15   Sentiment analysis in multiple languages: Feature selection for opinion classification in Web forums

Ahmed Abbasi, Hsinchun Chen, Arab Salem
June   ACM Transactions on Information Systems (TOIS),   Volume 26 Issue 3
2008
Publisher: ACM

Full text available: 📄 pdf(415.45 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 73, Downloads (12 Months): 73, Citation Count: 0

The Internet is frequently used as a medium for exchange of information and opinions, as well as propaganda dissemination. In this study the use of sentiment analysis methodologies is proposed for classification of Web forum opinions in multiple languages. ...

Keywords: Sentiment analysis, feature selection, opinion mining, text classification

16 Authenticating distributed data using Web services and XML signatures

Daniel J. Polivy, Roberto Tamassia
November   XMLSEC '02: Proceedings of the 2002 ACM workshop on XML security
2002
Publisher: ACM

Full text available: pdf(164.09 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 134, Citation Count: 1

As the need for digital data becomes more ubiquitous, so does the need to provide efficient mechanisms for distributing and verifying the authenticity of that data. We present an architecture for authenticating responses to queries from untrusted mirrors ...

Keywords: Web services, XML, authentication, digital signatures

17 Proceedings of the 13th annual ACM international conference on Multimedia

Hongjiang Zhang, Tat-Seng Chua, Ralf Steinmetz, Mohan Kankanhalli, Lynn Wilcox
November 2005   proceeding
Publisher: ACM

Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

Welcome to the Thirteenth ACM International Conference on Multimedia (ACM MM 2005) held in Singapore from 6 - 11 November 2005 at the Hilton Hotel. ACM Multimedia is the premier academic conference in multimedia. The series started in 1993, at the ...

18 Information retrieval 2: Essential deduplication functions for transactional databases in law firms

Jack G. Conrad, Edward L. Raymond
June   ICAIL '07: Proceedings of the 11th international conference on Artificial
2007   intelligence and law
Publisher: ACM

Full text available: pdf(433.42 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 97, Citation Count: 0

As massive document repositories and knowledge management systems continue to expand, in proprietary environments as well as on the Web, the need for duplicate detection becomes increasingly important. In business enterprises such as law firms, effective ...

Keywords: data management, document signatures, duplicate detection

19 Online duplicate document detection: signature reliability in a dynamic retrieval environment

Jack G. Conrad, Xi S. Guo, Cindy P. Schriber
November   CIKM '03: Proceedings of the twelfth international conference on
2003   Information and knowledge management
Publisher: ACM

Full text available: pdf(215.37 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 118, Citation Count: 9

As online document collections continue to expand, both on the Web and in proprietary environments, the need for duplicate detection becomes more critical. Few users wish to retrieve search results consisting of sets of duplicate documents, whether identical ...

Keywords: data management, doc signatures, duplicate document detection

20 Pripayd: privacy friendly pay-as-you-drive insurance

Carmela Troncoso, George Danezis, Eleni Kosta, Bart Preneel
October   WPES '07: Proceedings of the 2007 ACM workshop on Privacy in electronic
2007   society
Publisher: ACM

Full text available: pdf(247.96 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 96, Citation Count: 0

Pay-As-You-Drive insurance systems are establishing themselves as the future of car insurance. However, their current implementations entail a serious privacy invasion. We present PriPAYD where the premium calculations are performed locally in the vehicle, ...

Keywords: car insurance, pay-as-you-drive, privacy

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